



GERANIUM PLANT NAMED 'PENJUL'

BOTANICAL CLASSIFICATION

Pelargonium x hortorum

VARIETAL DENOMINATION

'Penjul'

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cultivar of *Pelargonium x hortorum* known by the varietal name 'Penjul'. The new variety was discovered as a seedling in a greenhouse in a selected breeding program in Dresden, Germany. The new variety is the result of a cross between two unnamed and unpatented selections from an unnamed collection of 14 proprietary breeding plants. The foliage color and habit of the new variety are similar to its parents but with different color intensity, flower shape, and cuttings yield. The new variety was first asexually reproduced in 1996 by cuttings in Dresden, Germany. The new variety has been trial and field tested in Dresden and has been found to retain its distinctive characteristics and remain true to type through successive propagations.

DESCRIPTION OF THE DRAWING

The accompanying photographic drawing illustrates the new variety, with the color being as nearly true as is possible with color illustrations of this type.

DESCRIPTION OF THE PLANT

The following detailed description sets forth the characteristics of the new cultivar. The data which defines these characteristics were collected by asexual reproductions by cuttings carried out in Dresden, Germany of a 9 month old potted plant in a 12 cm container grown in a warm greenhouse. The color readings were taken on a plant indoors under natural light. Color references are primarily to the R.H.S. Colour Chart of The Royal Horticultural Society of London.

PLANT

Form:	Upright.
Height:	25 cm from soil to top of foliage; 40 cm from soil to top of umbels.
Growth:	Erect, well-branched.
Width:	23 cm.
Strength:	Does not require artificial support.
Foliage:	Zone present; arrangement is opposite.
Time to develop roots:	3.5 weeks.

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Description of roots: Yellow Group 11D; adventive.

Leaves:

Size:

Length: 5 cm.

Width: 6-7 cm.

Shape:

Overall: Kidney-shaped.

Base: Open.

Apex: Pointed.

Margin: Bi-crenate.

Texture: Hairy.

Color:

Upper surface: Yellow-Green Group 147A.

Lower surface: Yellow-Green Group 147B.

Ribs and veins:

Venation: Net-like.

Color: Green Group 138B.

Zone color: Yellow-Green Group 147B.

Petioles:

Color: Green Group 138B.

Length: 5 cm.

Diameter: 2 mm.

Stem:

Length: 20 cm.

Color: Green Group 138B.

Internode length: 3-3.5 cm.

Lateral branch length: 19 cm.

THE BUD

Shape when closed, just beginning to open:

Overall: Umbel-shaped.

Individual bud: Shell-shaped.

Size:

Size of individual bud:

Length: 1.5-1.8 cm.

Width: 0.8-1.0 cm.

Size of cluster: 6-9 cm in diameter

Color: Red Group 40B.

INFLORESCENCE

Blooming habit: Umbel-shaped.

Size:

Width: 10-12 cm.

Depth: 8 cm.

Borne: Umbel; flowers on pedicel; pedicel on peduncle.

Number of flowers per umbel: 25-30.

Quantity of inflorescences per plant: 12-16.

Flowers:

Form: Zygomorphic.

Size:

Diameter: 3.5-4 cm.

Depth: 1.0-1.3 cm.

Petals:

Color:

Upper surface: Red Group 40A.

Lower surface: Red Group 40B.

Shape:

Overall: Rounded to oval.

Apex: Rounded.

Base: Pointed.

Size:

Length: 2.4 cm.

Width: 2.1 cm.

Margin: Entire.

Number per flower: 9-11.

Texture: Smooth.

Tonality from a distance: Shiny/scarlet.

Sepals:

Color:

Upper surface: Greyed-Orange Group 176A.

Lower surface: Greyed-Orange Group 176A.

Shape:

Overall: Pointed; narrow.

Apex: Pointed.

Base: Wider and not pointed.

Size:

Length: 1.0-1.3 cm.

Width: 0.3-0.4 cm.

Petaloids:

Quantity: 3-4.

Shape: Irregular, smaller than petals.

Size: Flake-like; irregular sizes.

Apex: Pointed.

Base: Wider and not pointed.

Color:

Upper surface: Red Group 40A.

Lower surface: Red Group 40B.

Pedicel:

Length: 3.5 cm.

Color: Greyed-Orange Group 176A.

Peduncle:

Length: 13 cm.

Color: Greyed-Orange Group 177A.

Disease/pest resistance: No susceptibility to diseases or pests has been noted to date.

Flowering season: Plant blooms until frost.

Natural flowering season: Summer in Germany.

Lastingness of an individual bud on the plant: 4 weeks.

REPRODUCTIVE ORGANS

Stamens:

Anthers: 3 mm long.

Filaments:

Length: 0.4 cm.

Color: Red Group 51A.

Pollen: Orange Group 25A; abundant.

Pistils:

Number: One; five parted.

Length: 0.3-0.4 cm.

Stigma color: Red Group 47A.

Style:

Length: 0.6-0.7 cm.

Color: Red-Purple Group 69C.

Ovaries: Superior; hairy; 0.3 cm long; Green Group 140C.

Seeds: Rarely present.

Amount: 5 per flower maximum.

Size: 1 mm wide; 3-4 mm long.

Color: Greyed-Orange Group 165A.

GENERAL CHARACTERISTICS

'Penjul' has the following general characteristics.

1. Compact growth.
2. Vigorous growth habit.
3. Intense and stable flower color.
4. Stable and upright peduncles.
5. Fast rooting.
6. Suitable for bedding.
7. Stable outside.
8. Dark foliage.
9. Long lasting.
10. Suitable for transport.



Fig. 1-3
Marked-up version

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[VARIETY OF GERANIUM PLANT NAMED 'Penjul']

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Commercial: Zonal.]

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